

What are the domestic suppliers of optical power meters

Article Overview

Several domestic companies manufacture optical power meters, offering a range of handheld, benchtop, and specialized devices for fiber-optic and laser applications.

Overview of Domestic Manufacturers

- o L-com - Headquartered in North Andover, Massachusetts, L-com produces optical power meters along with a wide range of wired and wireless communication products. They serve industries including telecommunications, medical, and industrial automation, and offer custom solutions for optical testing and measurement .
- o M2 Optics Inc. - Based in Raleigh, North Carolina, M2 Optics specializes in optical fiber testing equipment, including optical power meters. Their products are often customized for client requirements, and they provide services such as fiber characterization and network testing .
- o OZ Optics Ltd. - While primarily known for fiber-optic components, OZ Optics offers optical power meters suitable for DWDM and other fiber-optic applications. They provide handheld and benchtop models compatible with standard fiber connectors .
- o FS.COM Inc. - This company manufactures handheld optical power meters with standard FC/SC/ST connectors, targeting telecom and laboratory applications .
- o Quantifi Photonics - Offers optical power meters with InGaAs wide-area detectors covering wavelengths from 750 to 1700 nm, suitable for high-precision fiber-optic measurements .

Key Considerations

- o Sensor Technology: Domestic optical power meters typically use photodiode sensors (Si, Ge, or InGaAs) for high sensitivity and fast response .
- o Applications: These meters are used in fiber-optic network testing, laser manufacturing, medical laser maintenance, and laboratory experiments .
- o Customization: Many domestic manufacturers provide tailored solutions, including multi-channel meters, dual-channel benchtop models, and integration with network monitoring systems .

Conclusion

For domestic procurement, companies like L-com, M2 Optics, OZ Optics, FS.COM, and Quantifi Photonics are reliable sources of optical power meters. They offer a variety of handheld and benchtop models, support multiple wavelength ranges, and provide customization for specialized applications in telecommunications, research, and industrial settings .



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